

FIG. 1A



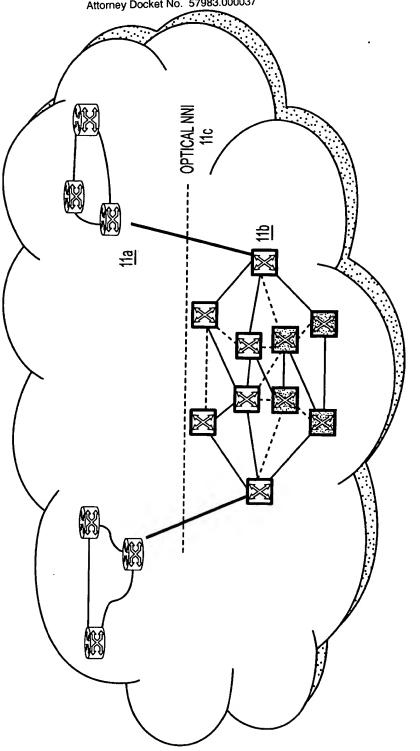
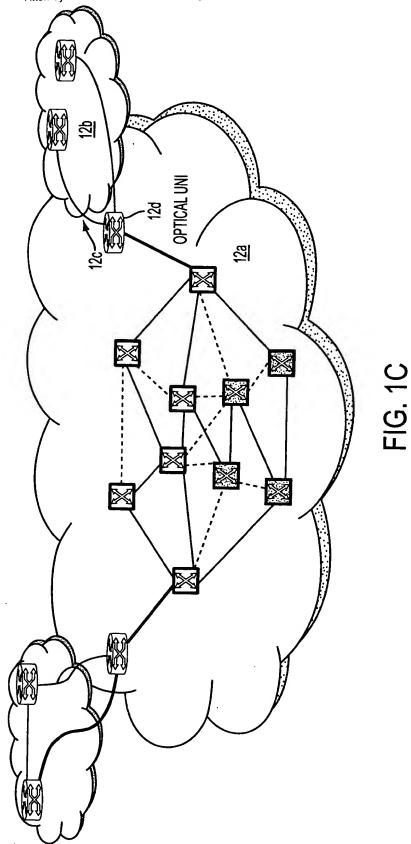


FIG. 1B







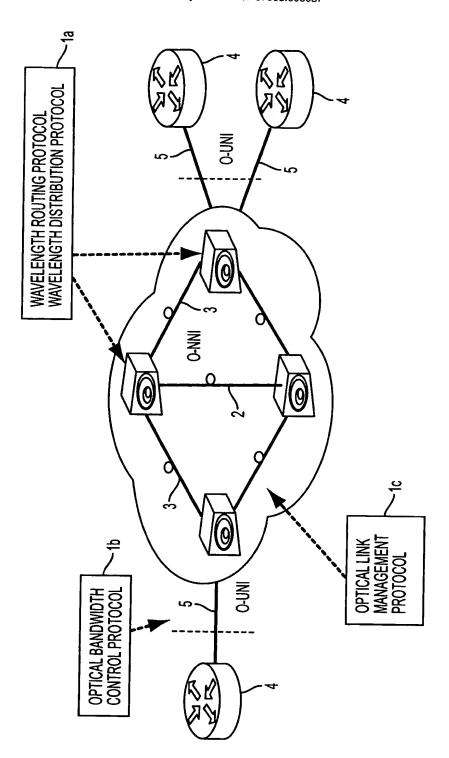
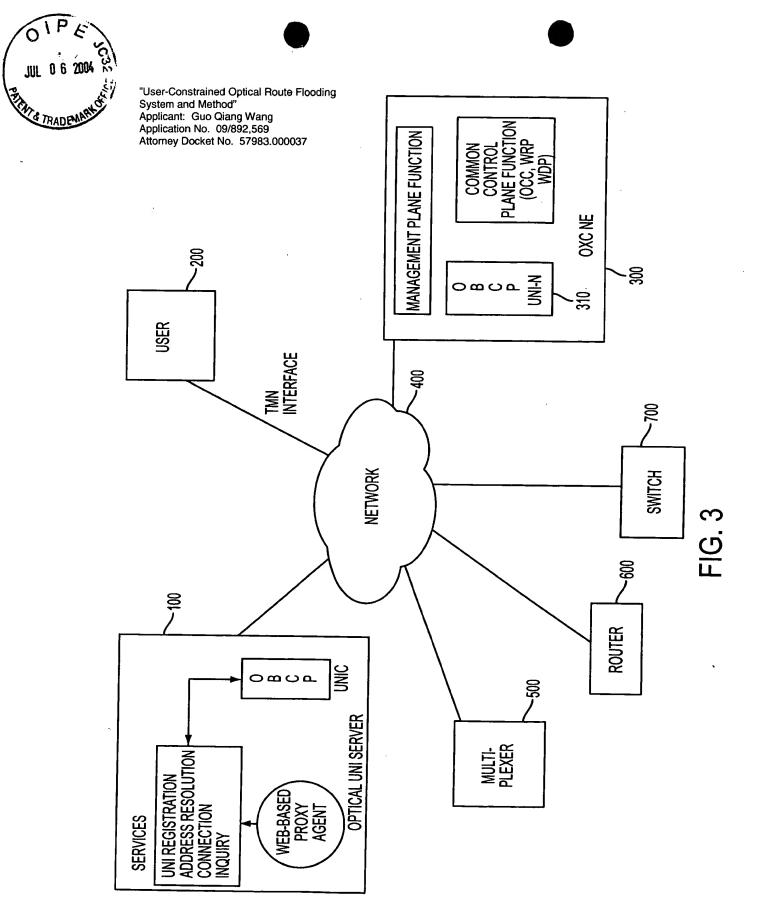


FIG. 2





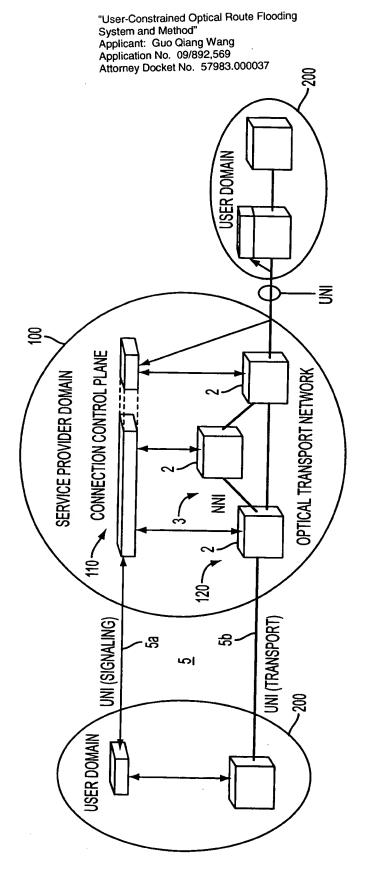
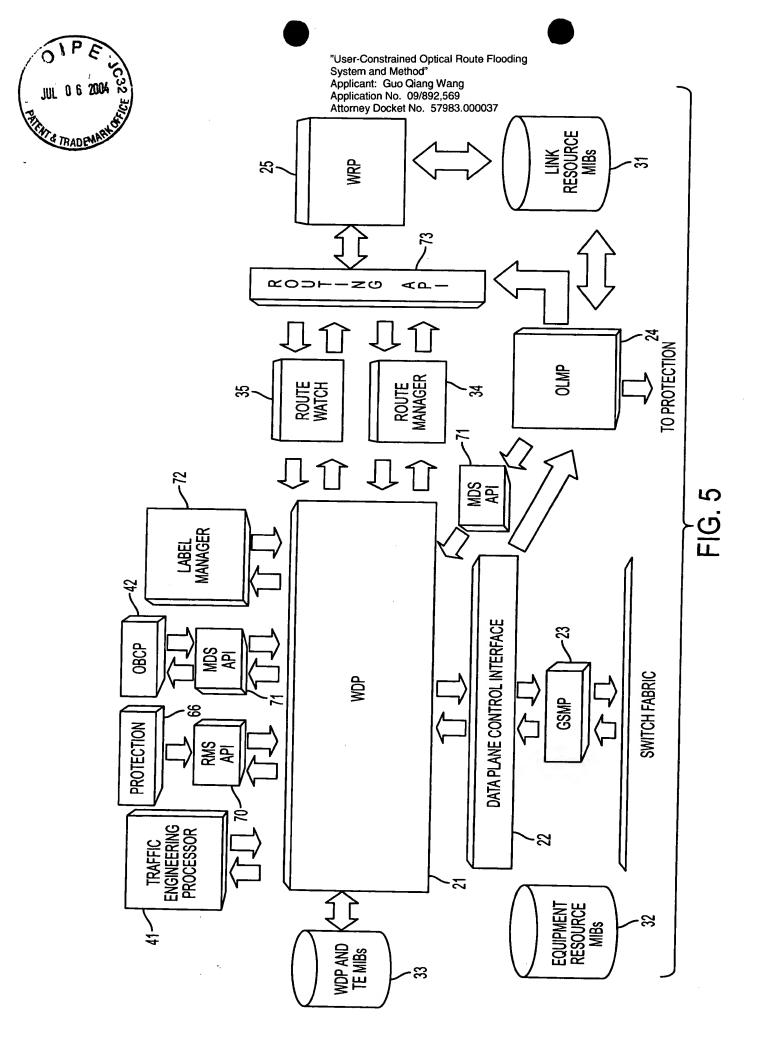
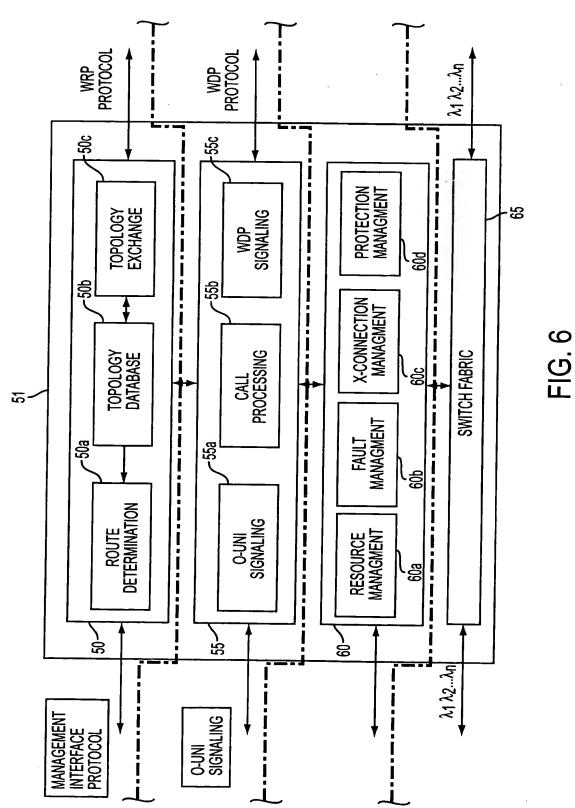


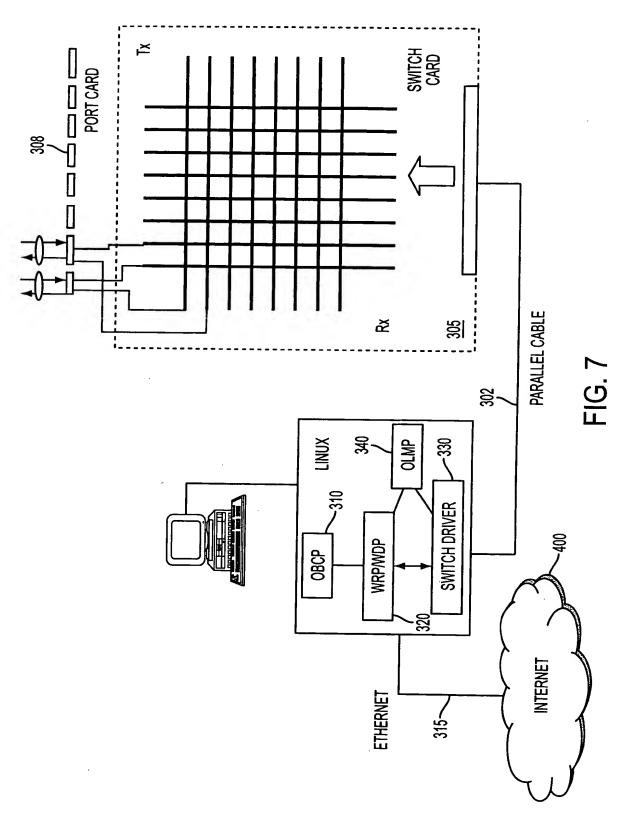
FIG. 4









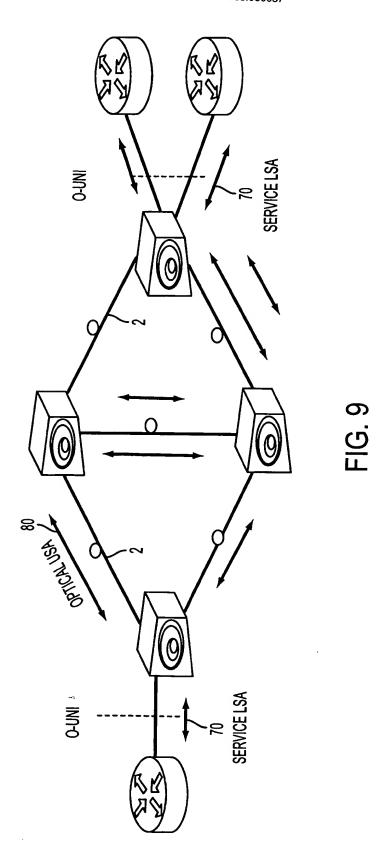




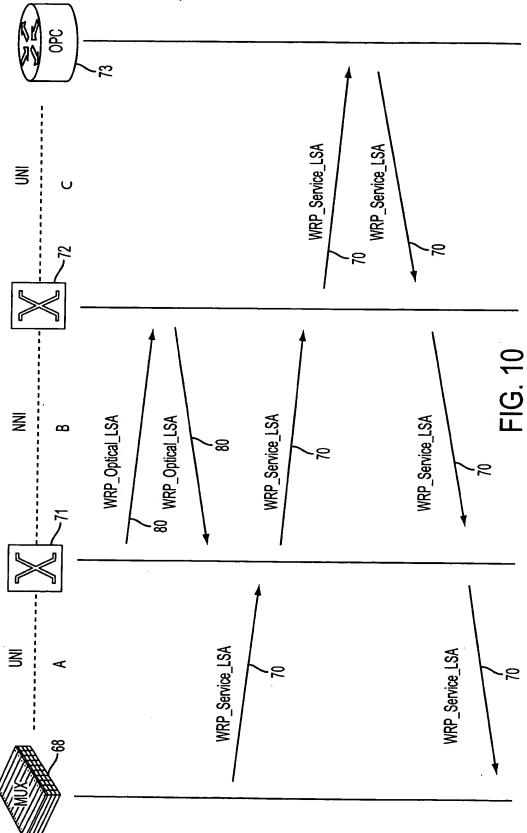
			
OPTICAL INTERFACE DESCRIPTOR 110	USER TERMINATION POINT 112		
	USER GROUP ID 114		
	USER CONTRACT ID 116		
	USER SERVICE MODE 118		
OPTICAL LINK ADMINISTRATIVE DOMAIN 1 <u>20</u>	CUSTOMIZED-LINK RELATED (LINK COLOR) 122		
	BROADCAST 123		
	BLOCK (DEFAULT) 124		
	OPTICAL INTERFACE DESCRIPTOR 125		
SERVICE LSA 130	OPTICAL INTERFACE DESCRIPTOR TLV 132 INCLUDING		
	USER SERVICE TYPE (ATM, IP, ETC.)		
	CONTROL PROTOCOL (BGP, PNNI, ETC.)		
	FRAMING PROTOCOL (GE, OX-c,		
	FIBER CHANNEL, ETC., LINK COLOR)		
	LINK COLOR		
	OPTICAL INTERFACE DESCRIPTOR		

FIG. 8

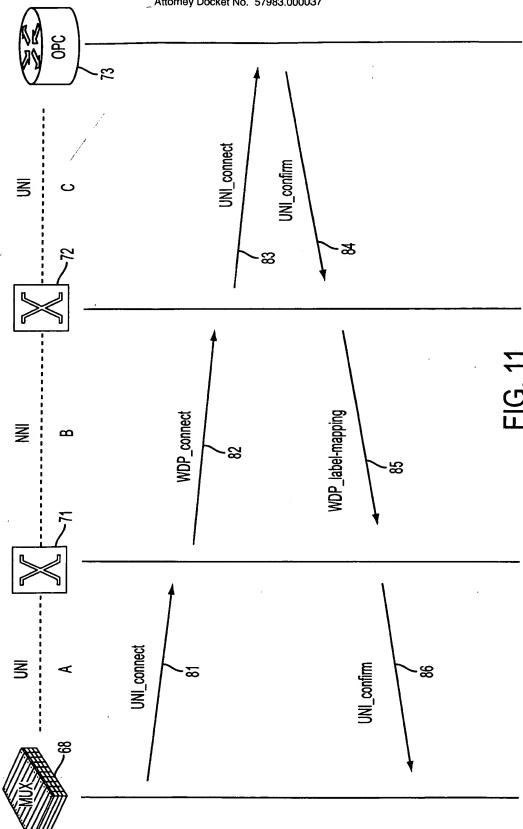


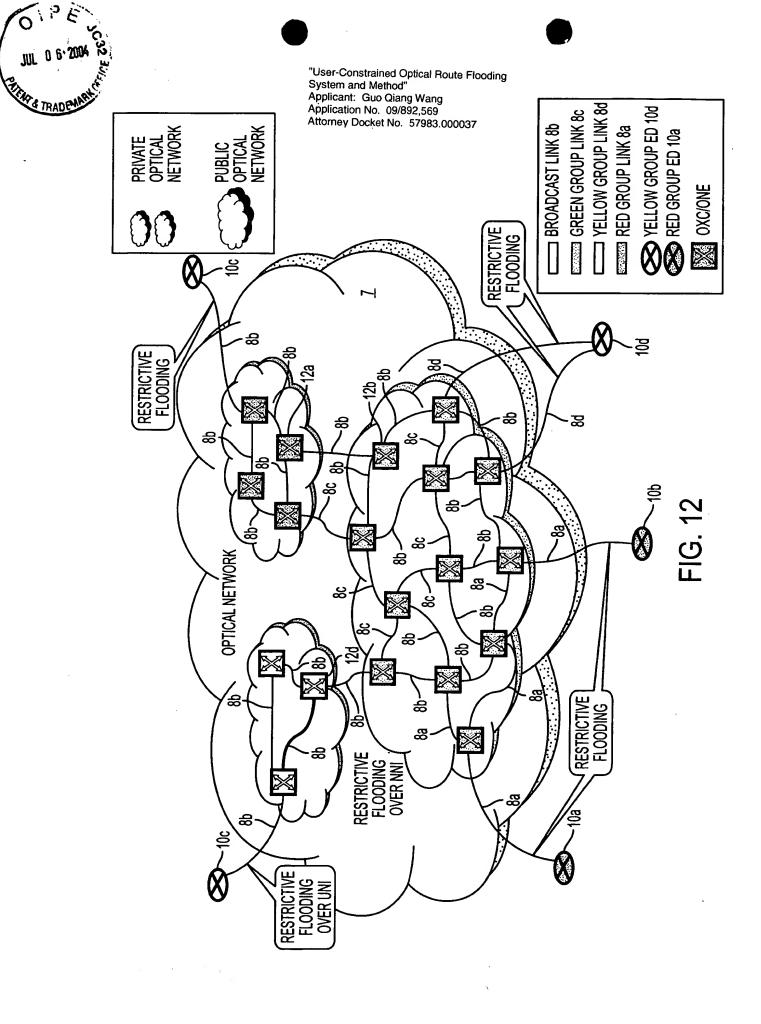














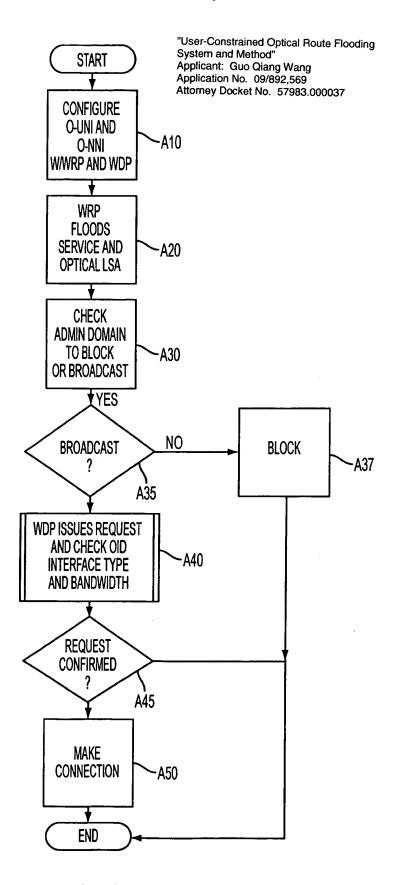
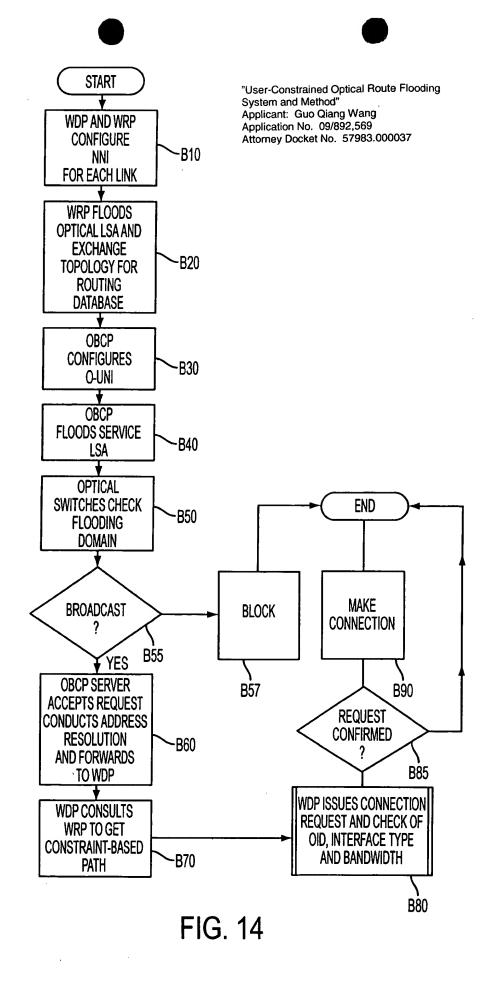


FIG. 13







SERVICE MODE		SERVICE LSA		OPTICAL LSA		OTHER LSA	,
	<u>A</u>		<u>B</u>		<u>C</u>		D
NONE (0)		BLOCK		BLOCK		BLOCK	
	<u>A0</u>		<u>B0</u>		<u>C0</u>		<u>D0</u>
OVERLAY MODE (1)		FLOODING		BLOCK		BLOCK	
	<u>A1</u>		<u>B1</u>		<u>C1</u>		<u>D1</u>
AUGMENTED MODE (2)		FLOODING		FLOODING		BLOCK	
	<u>A2</u>		<u>B2</u>		<u>C2</u>		<u>D2</u>
PEER-TO-PEER MODE (3)		FLOODING		FLOODING		FLOODING	
	<u>A3</u>		<u>B3</u>		<u>C3</u>		<u>D3</u>

FIG. 15



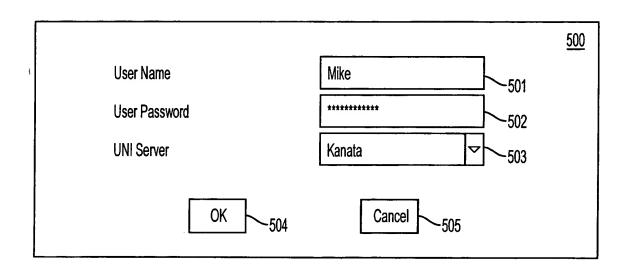
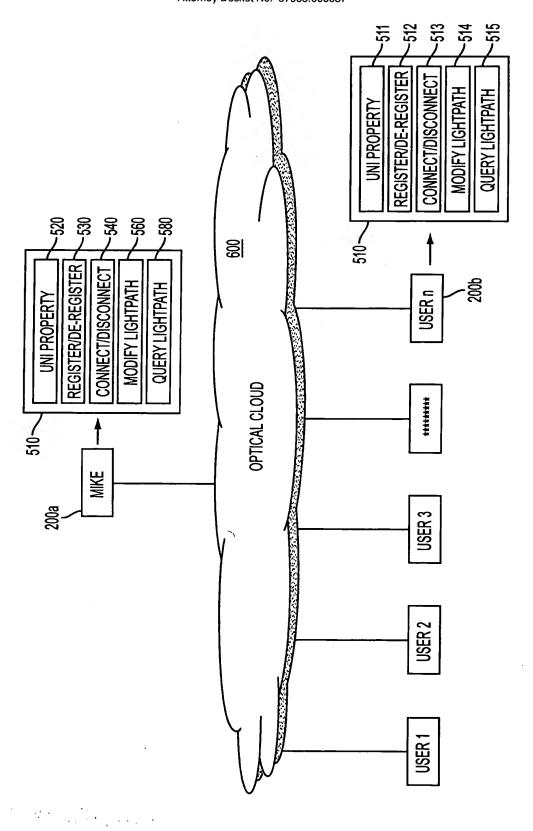


FIG. 16





<u>-1G. 17</u>



~526 ~522 ~524 ~528 **530** Bi-derectional 33.22.67 8 29 ~532 Sub-channel Id User Group Directionality Bandwidth Cancel Port Id User Name: Mike ~525 ~527 **~529** 옷 47.25.110.10 1234567890 47.25.111.1 Ethernet 8 Node Address Service Type Channel ID Contract ID User ID 22

REGISTER/DE-REGISTER

UNI PROPERTY

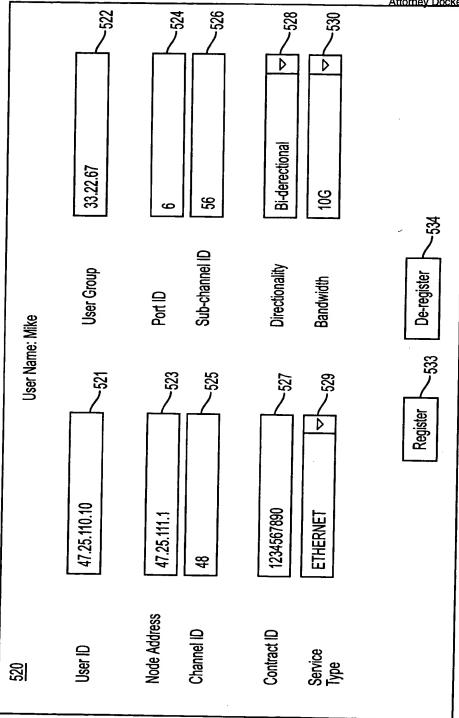
CONNECT/DISCONNEC

MODIFY LIGHTPATH

QUERY LIGHTPATH

FIG. 18





REGISTER/DE-REGISTER

UNI PROPERTY

CONNECT/DISCONNECT

MODIFY LIGHTPATH

QUERY LIGHTPATH

FIG. 19

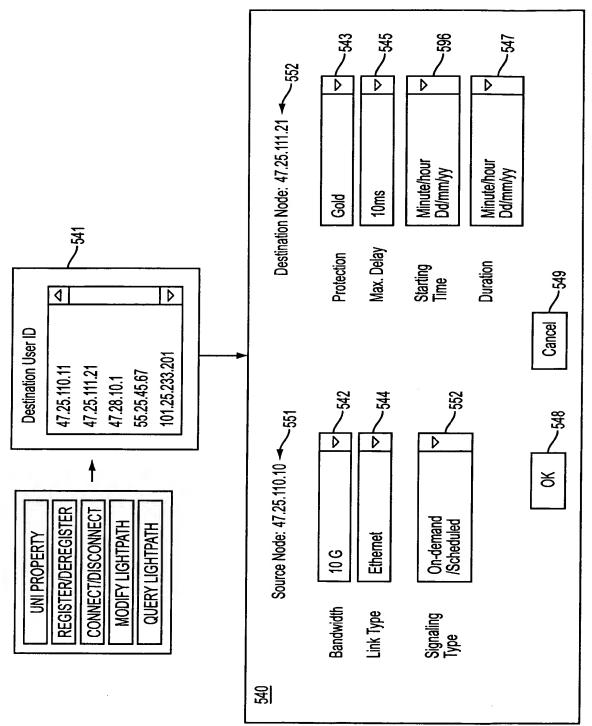


FIG. 20



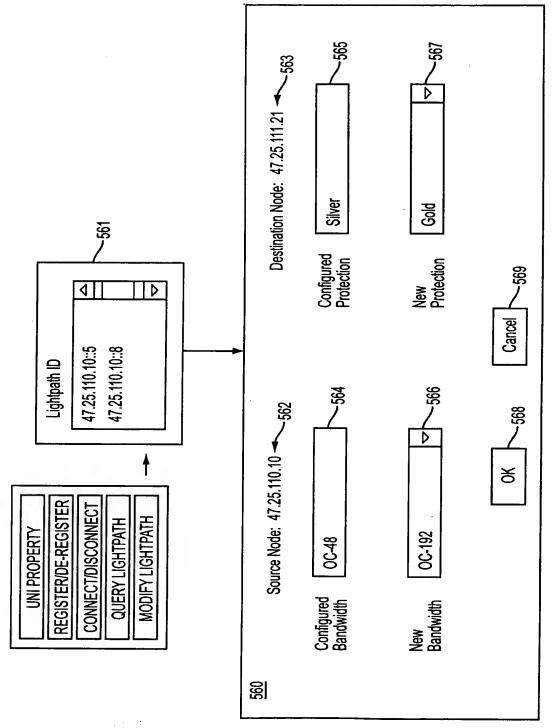


FIG. 21



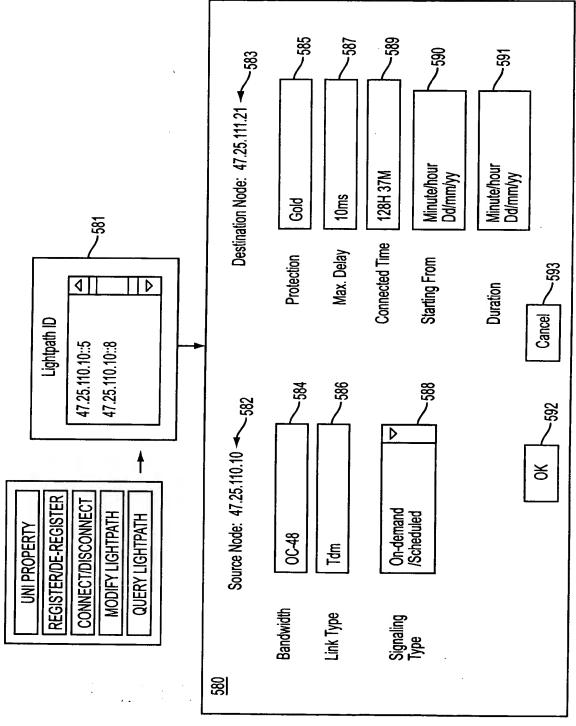


FIG. 22